

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:327571 CAPLUS

DOCUMENT NUMBER: 129:157455

TITLE: Long term expression of recombinant human
factor IX mediated by myoblasts in
mice

AUTHOR(S): Wang, Hongwei; Yang, Xiaoqing; Bao, Yun; Lu, Daru;
Qiu, Xinfang; Xue, Jinglun

CORPORATE SOURCE: Department of Hematology, The 2nd Affiliated
Hospital,

Shanxi Medical University, Taiyuan, 030001, Peop.

Rep.

China

SOURCE: Zhonghua Xueyexue Zazhi (1997), 18(9), 471-473

CODEN: CHTCD7; ISSN: 0253-2727

PUBLISHER: Zhongguo Yixue Kexueyuan Xueyexue Yanjiuso

DOCUMENT TYPE: Journal

LANGUAGE: Chinese

AB The exptl. gene therapy for hemophilia B by using C2C12 cells and C3H
mice

as models was developed. The retroviral **vector** contg. MCK
enhancer and hCMV **promoter** was constructed and was used to
transfect PA317 cells. Then the viral particles were used to
transfect C2C12 cells. C2C12 cells expressing human
factor IX (hFIX) protein in vivo was pos. correlated
with the no. of injected cells, and the in vitro expression level of
these

cell clones. The expression of hFIX could be enhanced and prolonged by
immunosuppressive agents. Allogeneic myoblasts transplantation led to
immunorejection, but repeated injections at longer interval could improve
the survival rate of transplanted cells.

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 10:31:01 ON 10 DEC 2001

L1	10623 S	FACTOR IX OR BILIRUBIN UDP GLUCURONOSYLTRANSFERASE
L2	236 S	L1 AND VECTOR AND PROMOTER
L3	10153 S	FACTOR IX
L4	236 S	L1 AND VECTOR AND PROMOTER
L5	1 S	L4 AND SERTOLI
L6	4 S	L4 AND (TRANSFORM OR TRANSFECT)
L7	4	DUP REMOVE L6 (0 DUPLICATES REMOVED)
L8	14014 S	SERTOLI CELLS
L9	27 S	L8 AND (TRANSFECT OR TRANSFORM)
L10	15	DUP REMOVE L9 (12 DUPLICATES REMOVED)

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(FILE 'HOME' ENTERED AT 10:30:51 ON 10 DEC 2001)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 10:31:01 ON 10 DEC 2001

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